NORTH FORK OF CLEAR CREEK WASTE ROCK SAMPLING

Sampling Site #2 Two Sisters

Drainage Chase

Latitude N39° 48 ' 32.7 "

Average of 20 Readings

Longitude W105° 31 ' 29.1 "

Mineralogy (1= present, 2= abundant)

Pyrite

Sphalerite 1

Chalcopyrite

Galena

Other, (specify)

Country Rock 1

Secondary Sulfides 1

Approximate Distance from Drainage Channel > 500'

Erosion (0= none, 1= sheet wash, 2= rills less than 6" deep, 3= rills over 6-12" deep, 4= gullies over 12" deep) 1 -2 (some)

Average top width 75'

Average top length 25' (short width)

Average bottom width 50'

Average bottom length 80'

Average height 30'

Estimated Volume

Vegetation Kill Zone Present (Y or N) Y

Approximate Size (l x w) 100' x 20'

Vegetation on Pile (Y or N) N

Texture (fine, coarse) fine w/ cobbles

Equipment Access (describe) Easy

Reclamation Measures (check if feasible)

Run-on Diversion X

Removal X

Cementation Uncemented

Cap-in-place

Amend and Revegetate X

Comments

NORTH FORK OF CLEAR CREEK WASTE ROCK SAMPLING

Sampling Site #3 Ellery Drainage Chase

Latitude N39° 48 ' 22.2 " Average of 10 Readings

Longitude W105° 30 ' 43.0 "

Mineralogy (1= present, 2= abundant) Pyrite

Sphalerite 1 Chalcopyrite

Galena Other, (specify)

Country Rock 1 (flanks) Secondary Sulfides 1

Approximate Distance from Drainage Channel > 500'

Erosion (0= none, 1= sheet wash, 2= rills less than 6" deep, 3= rills over 6-12" deep, 4= gullies over 12" deep) 2

Average top width 10' Average top length 30'

Average bottom width 50' Average bottom length 50'

Average height 40' Estimated Volume

Vegetation Kill Zone Present (Y or N) Y Approximate Size (l x w) 50' x 100'

Vegetation on Pile (Y or N) N (few trees) Texture (fine, coarse) coarse w/ some fines

Equipment Access (describe) Old rail grade or road leads to mine

---

Reclamation Measures (check if feasible) Run-on Diversion X

Removal Cementation Little

Cap-in-place Amend and Revegetate X

Comments

NORTH FORK OF CLEAR CREEK WASTE ROCK SAMPLING

Sampling Site #4 Beldin Tunnel Drainage Chase

Latitude N39° 48 ' 27.3 " Average of 14 Readings

Longitude W105° 30 ' 43.4 "

Mineralogy (1= present, 2= abundant) Pyrite

Sphalerite Chalcopyrite 1

Galena Other, (specify)

Country Rock 1 Secondary Sulfides 2

Approximate Distance from Drainage Channel 0'

Erosion (0= none, 1= sheet wash, 2= rills less than 6" deep, 3= rills over 6-12" deep, 4= gullies over 12" deep) 1

Average top width 50' Average top length 240'

Average bottom width 75' Average bottom length 300'

Average height 15' Estimated Volume

Vegetation Kill Zone Present (Y or N) Y Approximate Size (l x w) 75' x 3'

Vegetation on Pile (Y or N) N (yellow areas) Y (country rock) Texture (fine, coarse) Boulders, cobbles, w/ gravel

Equipment Access (describe) Cross Chase Creek to access/ thick vegetation

---

Reclamation Measures (check if feasible) Run-on Diversion X

Removal Cementation Little

Cap-in-place Amend and Revegetate X

Comments

NORTH FORK OF CLEAR CREEK WASTE ROCK SAMPLING

Sampling Site #5 Allie Drainage Chase

Latitude N39° 48 ' 23.8 " Average of 8 Readings

Longitude W105° 30 ' 43.7 "

Mineralogy (1= present, 2= abundant) Pyrite

Sphalerite 1 Chalcopyrite 1 (minor)

Galena Other, (specify)

Country Rock Secondary Sulfides 1

Approximate Distance from Drainage Channel > 300'

Erosion (0= none, 1= sheet wash, 2= rills less than 6" deep, 3= rills over 6-12" deep, 4= gullies over 12" deep) 1

Average top width 20' Average top length 25'

Average bottom width 25' Average bottom length 50'

Average height 30' Estimated Volume

Vegetation Kill Zone Present (Y or N) N Approximate Size (l x w) None below pile

Vegetation on Pile (Y or N) N Texture (fine, coarse) fine w/ some cobbles

Equipment Access (describe) Hard to access though a trail leads to mine

---

Reclamation Measures (check if feasible) Run-on Diversion X

Removal Cementation None

Cap-in-place Amend and Revegetate X

Comments

NORTH FORK OF CLEAR CREEK WASTE ROCK SAMPLING

Sampling Site #6 Sans Souci Drainage Chase

Latitude N39° 48 ' 28.9 " Average of 12 Readings

Longitude W105° 30 ' 37.1 "

Mineralogy (1= present, 2= abundant) Pyrite

Sphalerite 1 Chalcopyrite

Galena Other, (specify)

Country Rock Secondary Sulfides 2

Approximate Distance from Drainage Channel 0'

Erosion (0= none, 1= sheet wash, 2= rills less than 6" deep, 3= rills over 6-12" deep, 4= gullies over 12" deep) 3

Average top width 25' Average top length 120'

Average bottom width 100' Average bottom length 320'

Average height 90' Estimated Volume

Vegetation Kill Zone Present (Y or N) Y Approximate Size (l x w)

Vegetation on Pile (Y or N) N Texture (fine, coarse) fine sand w/ cobbles

Equipment Access (describe) Base - no problem, Top - sleep slopes

---

Reclamation Measures (check if feasible) Run-on Diversion X

Removal Cementation

Cap-in-place Amend and Revegetate X

Comments Greenish rock - malachite? Some biotite, some pinkish rock also.

NORTH FORK OF CLEAR CREEK WASTE ROCK SAMPLING

Sampling Site #7 Castle Rock Drainage Chase

Latitude N39° 48 ' 27.8 " Average of 12 Readings

Longitude W105° 30 ' 46.8 "

Mineralogy (1= present, 2= abundant) Pyrite

Sphalerite 1 Chalcopyrite 1

Galena Other, (specify)

Country Rock 2 Secondary Sulfides 1

Approximate Distance from Drainage Channel 225'

Erosion (0= none, 1= sheet wash, 2= rills less than 6" deep, 3= rills over 6-12" deep, 4= gullies over 12" deep) 1

Average top width 15' Average top length 60'

Average bottom width 90' Average bottom length 90'

Average height 100' Estimated Volume

Vegetation Kill Zone Present (Y or N) Y* Approximate Size (l x w)

Vegetation on Pile (Y or N) Y Texture (fine, coarse) coarse

Equipment Access (describe) Hard to access - steep slopes- steep slopes for equipment

---

Reclamation Measures (check if feasible) Run-on Diversion X

Removal Cementation Some natural cementation

Cap-in-place Amend and Revegetate

Comments *Rubble zone – killing zone

NORTH FORK OF CLEAR CREEK WASTE ROCK SAMPLING

Sampling Site #8 Lower Centennial Drainage Chase

Latitude N39° 48 ' 24.3 " Average of 12 Readings

Longitude W105° 30 ' 28.4 "

Mineralogy (1= present, 2= abundant) Pyrite

Sphalerite 1 Chalcopyrite 1

Galena Other, (specify)

Country Rock 1 (flanks) Secondary Sulfides

Approximate Distance from Drainage Channel 0 - 2'

Erosion (0= none, 1= sheet wash, 2= rills less than 6" deep, 3= rills over 6-12" deep, 4= gullies over 12" deep)

Average top width 2' Average top length 50'

Average bottom width 10' Average bottom length 150'

Average height 15' Estimated Volume

Vegetation Kill Zone Present (Y or N) Y (to creek) Approximate Size (l x w) 2' x 150'

Vegetation on Pile (Y or N) N Texture (fine, coarse) medium coarse

Equipment Access (describe) Near road but must cross Chase Creek

---

Reclamation Measures (check if feasible) Run-on Diversion X

Removal X Cementation Little

Cap-in-place X Amend and Revegetate X

Comments Tires in gully between piles. Duplicate sample.

NORTH FORK OF CLEAR CREEK WASTE ROCK SAMPLING

Sampling Site #9 Advance Tunnel Drainage Chase

Latitude N39° 48 ' 33.1 " Average of 12 Readings

Longitude W105° 30 ' 50.5 "

Mineralogy (1= present, 2= abundant) Pyrite

Sphalerite 2 Chalcopyrite 1

Galena Other, (specify)

Country Rock 1 Secondary Sulfides 2

Approximate Distance from Drainage Channel 75'

Erosion (0= none, 1= sheet wash, 2= rills less than 6" deep, 3= rills over 6-12" deep, 4= gullies over 12" deep) 2

Average top width 30' Average top length 200'

Average bottom width 75' Average bottom length 225'

Average height 15' Estimated Volume

Vegetation Kill Zone Present (Y or N) N Approximate Size (l x w)

Vegetation on Pile (Y or N) N (very little) Texture (fine, coarse) med-coarse to med-fine

Equipment Access (describe) Access to base, steep slopes

Reclamation Measures (check if feasible) Run-on Diversion X

Removal X Cementation Little

Cap-in-place X Amend and Revegetate X

Comments

NORTH FORK OF CLEAR CREEK WASTE ROCK SAMPLING

Sampling Site #10 Hayseed Drainage Chase

Latitude N39° 48 ' 40.7 " Average of 12 Readings

Longitude W105° 30 ' 56.3 "

Mineralogy (1= present, 2= abundant) Pyrite 1

Sphalerite 2 Chalcopyrite 1

Galena 1 Other, (specify)

Country Rock 2 Secondary Sulfides 2

Approximate Distance from Drainage Channel 3

Erosion (0= none, 1= sheet wash, 2= rills less than 6" deep, 3= rills over 6-12" deep, 4= gullies over 12" deep) 1

Average top width 25' Average top length 50'

Average bottom width 50' Average bottom length 75'

Average height 15' Estimated Volume

Vegetation Kill Zone Present (Y or N) N Approximate Size (l x w)

Vegetation on Pile (Y or N) N (very little) Texture (fine, coarse) fine

Equipment Access (describe) Easy access

Reclamation Measures (check if feasible) Run-on Diversion X

Removal X Cementation None

Cap-in-place Amend and Revegetate X

Comments

NORTH FORK OF CLEAR CREEK WASTE ROCK SAMPLING

Sampling Site #11 Tucker Drainage Chase

Latitude N39° 48 ' 42.6 " Average of 12 Readings

Longitude W105° 30 ' 56.7 "

Mineralogy (1= present, 2= abundant) Pyrite

Sphalerite 2 Chalcopyrite 1

Galena 1 Other, (specify)

Country Rock 2 Secondary Sulfides 1

Approximate Distance from Drainage Channel 75'

Erosion (0= none, 1= sheet wash, 2= rills less than 6" deep, 3= rills over 6-12" deep, 4= gullies over 12" deep) 1

Average top width 90' Average top length 150'

Average bottom width 200' Average bottom length 200'

Average height 50' Estimated Volume

Vegetation Kill Zone Present (Y or N) N Approximate Size (l x w)

Vegetation on Pile (Y or N) Y Texture (fine, coarse) coarse

Equipment Access (describe) Relatively accessible

Reclamation Measures (check if feasible) Run-on Diversion X

Removal X Cementation Very little

Cap-in-place Amend and Revegetate X

Comments Duplicate sample

NORTH FORK OF CLEAR CREEK WASTE ROCK SAMPLING

Sampling Site #13 Centre

Drainage Chase

Latitude N39° 48 ' 26.5 "

Average of 10 Readings

Longitude W105° 30 ' 30.2 "

Mineralogy (1= present, 2= abundant)

Pyrite

Sphalerite 1

Chalcopyrite 1

Galena

Other, (specify)

Country Rock 1

Secondary Sulfides 2

Approximate Distance from Drainage Channel A = 15', B = 0'

Erosion (0= none, 1= sheet wash, 2= rills less than 6" deep, 3= rills over 6-12" deep, 4= gullies over 12" deep) 1

Average top width A = 5', B = 10'

Average top length A = 15', B = 75'

Average bottom width A = 10', B = 50'

Average bottom length A = 20', B = 100'

Average height A = 12', B = 12'

Estimated Volume

Vegetation Kill Zone Present (Y or N) Y

Approximate Size (l x w) A = 15' x 25'
B = In creek

Vegetation on Pile (Y or N) N

Texture (fine, coarse) fine

Equipment Access (describe) Cross creek from road

Reclamation Measures (check if feasible)

Run-on Diversion X

Removal X

Cementation Little

Cap-in-place X

Amend and Revegetate X

Comments Two piles: A - one from shaft, B - next to creek

NORTH FORK OF CLEAR CREEK WASTE ROCK SAMPLING

Sampling Site #14 Upper Centennial Drainage Chase

Latitude N39° 48 ' 22.9 " Average of 10 Readings

Longitude W105° 30 ' 33.3 "

Mineralogy (1= present, 2= abundant) Pyrite

Sphalerite 1 Chalcopyrite 1

Galena Other, (specify)

Country Rock 1 (very little) Secondary Sulfides 2

Approximate Distance from Drainage Channel > 500'

Erosion (0= none, 1= sheet wash, 2= rills less than 6" deep, 3= rills over 6-12" deep, 4= gullies over 12" deep) 3

Average top width 45' Average top length 25'

Average bottom width 55' Average bottom length 150'

Average height 80' Estimated Volume

Vegetation Kill Zone Present (Y or N) Y Approximate Size (l x w) 150' x 50' (runs into lower piles)

Vegetation on Pile (Y or N) N Texture (fine, coarse) Mostly fine w/ some coarse country rock

Equipment Access (describe) Road access to top - very steep slopes

---

Reclamation Measures (check if feasible) Run-on Diversion X

Removal Cementation little

Cap-in-place Amend and Revegetate X

Comments

NORTH FORK OF CLEAR CREEK WASTE ROCK SAMPLING

Sampling Site #15 Robert Emmet

Drainage Chase

Latitude N39° 48 ' 27.7 "

Average of 10 Readings

Longitude W105° 30 ' 21.1 "

Mineralogy (1= present, 2= abundant)

Pyrite

Sphalerite 1

Chalcopyrite 1

Galena

Other, (specify) bricks

Country Rock 1

Secondary Sulfides 1

Approximate Distance from Drainage Channel > 1000'

Erosion (0= none, 1= sheet wash, 2= rills less than 6" deep, 3= rills over 6-12" deep, 4= gullies over 12" deep) 1

Average top width 25'

Average top length 200'

Average bottom width 80'

Average bottom length 225'

Average height 50'

Estimated Volume

Vegetation Kill Zone Present (Y or N) Y

Approximate Size (l x w) 250' x 100'

Vegetation on Pile (Y or N) N (except country rock)

Texture (fine, coarse)

Equipment Access (describe) Very steep but trail is present

Reclamation Measures (check if feasible)

Run-on Diversion X

Removal

Cementation Loosely cemented

Cap-in-place

Amend and Revegetate X

Comments Some red minerals

NORTH FORK OF CLEAR CREEK WASTE ROCK SAMPLING

Sampling Site #16 Virginia Discovery Drainage Chase

Latitude N39° 48 ' 33.1 " Average of 10 Readings

Longitude W105° 30 ' 29.3 "

Mineralogy (1= present, 2= abundant) Pyrite 1 (very minor)

Sphalerite 1 Chalcopyrite 1

Galena Other, (specify)

Country Rock Secondary Sulfides 2

Approximate Distance from Drainage Channel

Erosion (0= none, 1= sheet wash, 2= rills less than 6" deep, 3= rills over 6-12" deep, 4= gullies over 12" deep) 3

Average top width 25' Average top length 200'

Average bottom width 25' Average bottom length 250'

Average height 40' Estimated Volume

Vegetation Kill Zone Present (Y or N) Y Approximate Size (l x w) 250' x 100'

Vegetation on Pile (Y or N) N Texture (fine, coarse) fine to medium

Equipment Access (describe) Very steep - old trail leads to mine

---

Reclamation Measures (check if feasible) Run-on Diversion X

Removal Cementation Loose - little

Cap-in-place Amend and Revegetate X

Comments Red minerals, pyrite

Sample - Red rock, chalcopyrite w/ pyrite

NORTH FORK OF CLEAR CREEK WASTE ROCK SAMPLING

Sampling Site #18 Bates

Drainage Chase

Latitude N39° 48 ' 7.2 "

Average of 6 Readings

Longitude W105° 29 ' 59.3 "

Mineralogy (1= present, 2= abundant)

Pyrite

Sphalerite 1

Chalcopyrite 1

Galena

Other, (specify)

Country Rock

Secondary Sulfides 1

Approximate Distance from Drainage Channel > 1000'

Erosion (0= none, 1= sheet wash, 2= rills less than 6" deep, 3= rills over 6-12" deep, 4= gullies over 12" deep) 1

Average top width 20'

Average top length 20'

Average bottom width 30'

Average bottom length 30'

Average height 10'

Estimated Volume

Vegetation Kill Zone Present (Y or N) N

Approximate Size (l x w) 50' x 100'

Vegetation on Pile (Y or N) Y (few trees)

Texture (fine, coarse) medium coarse

Equipment Access (describe) Very easy access

Reclamation Measures (check if feasible)

Run-on Diversion X

Removal X

Cementation Little

Cap-in-place X

Amend and Revegetate X

Comments

NORTH FORK OF CLEAR CREEK WASTE ROCK SAMPLING

Sampling Site #20 Bonanza Drainage Chase

Latitude N39° 48 ' 20.0 " Average of 15 Readings

Longitude W105° 30 ' 14.7 "

Mineralogy (1= present, 2= abundant) Pyrite 1 (minor)

Sphalerite 1 Chalcopyrite 1

Galena Other, (specify)

Country Rock Secondary Sulfides 2

Approximate Distance from Drainage Channel 50'

Erosion (0= none, 1= sheet wash, 2= rills less than 6" deep, 3= rills over 6-12" deep, 4= gullies over 12" deep) 2

Average top width 30' Average top length 750'

Average bottom width 75' Average bottom length 1000'

Average height 50' Estimated Volume

Vegetation Kill Zone Present (Y or N) Y Approximate Size (l x w) 600' x 25' (to road)

Vegetation on Pile (Y or N) N Texture (fine, coarse) fine

Equipment Access (describe) Access easy except steep slopes

Reclamation Measures (check if feasible) Run-on Diversion X

Removal Cementation Some cementation

Cap-in-place X Amend and Revegetate X

Comments

NORTH FORK OF CLEAR CREEK WASTE ROCK SAMPLING

Sampling Site #21 Aetna Drainage Chase

Latitude N39° 48 ' 18.6 " Average of 8 Readings

Longitude W105° 30 ' 16.0 "

Mineralogy (1= present, 2= abundant) Pyrite

Sphalerite 1 Chalcopyrite 1

Galena Other, (specify)

Country Rock 1 Secondary Sulfides 1

Approximate Distance from Drainage Channel 50'

Erosion (0= none, 1= sheet wash, 2= rills less than 6" deep, 3= rills over 6-12" deep, 4= gullies over 12" deep) 1

Average top width 25' Average top length 50'

Average bottom width 10' Average bottom length 75'

Average height 20' Estimated Volume

Vegetation Kill Zone Present (Y or N) Y Approximate Size (l x w) 100' x 30'

Vegetation on Pile (Y or N) N (few trees) Texture (fine, coarse) fine

Equipment Access (describe) Cross creek from road

Reclamation Measures (check if feasible) Run-on Diversion X

Removal Cementation little

Cap-in-place Amend and Revegetate X

Comments Tunnel weeping water

NORTH FORK OF CLEAR CREEK WASTE ROCK SAMPLING

Sampling Site #22 Boston Drainage Gregory

Latitude N39° 47 ' 58.1 " Average of 10 Readings

Longitude W105° 30 ' 39.5 "

Mineralogy (1= present, 2= abundant) Pyrite 1

Sphalerite 1 Chalcopyrite 1

Galena Other, (specify)

Country Rock Secondary Sulfides 2

Approximate Distance from Drainage Channel

Erosion (0= none, 1= sheet wash, 2= rills less than 6" deep, 3= rills over 6-12" deep, 4= gullies over 12" deep)

Average top width 15' Average top length 500'

Average bottom width 200' Average bottom length 1000'

Average height 100' Estimated Volume

Vegetation Kill Zone Present (Y or N) Y Approximate Size (l x w) 1000' x 50' (street/bldgs)

Vegetation on Pile (Y or N) N Texture (fine, coarse) mostly fine w/ coarse

Equipment Access (describe) Hard access from top. Bottom from street.

Reclamation Measures (check if feasible) Run-on Diversion X

Removal Cementation little

Cap-in-place Amend and Revegetate X

Comments

NORTH FORK OF CLEAR CREEK WASTE ROCK SAMPLING

Sampling Site #25 Humboldt Drainage Gregory

Latitude N39° 48 ' 12.7 " Average of 10 Readings

Longitude W105° 31 ' 6.4 "

Mineralogy (1= present, 2= abundant) Pyrite

Sphalerite 1 Chalcopyrite 1

Galena Other, (specify)

Country Rock Secondary Sulfides 2

Approximate Distance from Drainage Channel > 300'

Erosion (0= none, 1= sheet wash, 2= rills less than 6" deep, 3= rills over 6-12" deep, 4= gullies over 12" deep) 2

Average top width 25' Average top length 50'

Average bottom width 25' Average bottom length 75'

Average height 20' Estimated Volume

Vegetation Kill Zone Present (Y or N) Y Approximate Size (l x w) 100' x 75'

Vegetation on Pile (Y or N) N Texture (fine, coarse) fine

Equipment Access (describe) Easy access from road

Reclamation Measures (check if feasible) Run-on Diversion X

Removal X Cementation Some surface crust

Cap-in-place X Amend and Revegetate X

Comments

NORTH FORK OF CLEAR CREEK WASTE ROCK SAMPLING

Sampling Site #26 Winnebago Drainage Gregory

Latitude N39° 48 ' 14.1 " Average of 10 Readings

Longitude W105° 30 ' 50.8 "

Mineralogy (1= present, 2= abundant) Pyrite

Sphalerite 1 Chalcopyrite 1

Galena Other, (specify)

Country Rock Secondary Sulfides 1

Approximate Distance from Drainage Channel

Erosion (0= none, 1= sheet wash, 2= rills less than 6" deep, 3= rills over 6-12" deep, 4= gullies over 12" deep) 3 (one gully 4)

Average top width 100' Average top length 150'

Average bottom width 100' Average bottom length 200'

Average height 50' Estimated Volume

Vegetation Kill Zone Present (Y or N) Y Approximate Size (l x w) 200' x 75'

Vegetation on Pile (Y or N) N (some trees) Texture (fine, coarse) coarse

Equipment Access (describe) Accessible by roads

Reclamation Measures (check if feasible) Run-on Diversion X

Removal Cementation

Cap-in-place X Amend and Revegetate X

Comments Duplicate sample

NORTH FORK OF CLEAR CREEK WASTE ROCK SAMPLING

Sampling Site #27 Hunter-Gold

Drainage Gregory

Latitude N39° 47 ' 48.7 "

Average of 12 Readings

Longitude W105° 30 ' 38.5 "

Mineralogy (1= present, 2= abundant)

Pyrite

Sphalerite 1

Chalcopyrite 1

Galena

Other, (specify)

Country Rock 1

Secondary Sulfides 1

Approximate Distance from Drainage Channel > 200'

Erosion (0= none, 1= sheet wash, 2= rills less than 6" deep, 3= rills over 6-12" deep, 4= gullies over 12" deep) 1

Average top width 10'

Average top length 30'

Average bottom width 10'

Average bottom length 50'

Average height 6'

Estimated Volume

Vegetation Kill Zone Present (Y or N) Y

Approximate Size (l x w) 75' x 20'

Vegetation on Pile (Y or N) N

Texture (fine, coarse) coarse w/ some fine

Equipment Access (describe) Easy

Reclamation Measures (check if feasible)

Run-on Diversion X

Removal X

Cementation Some cement

Cap-in-place X

Amend and Revegetate X

Comments

NORTH FORK OF CLEAR CREEK WASTE ROCK SAMPLING

Sampling Site #31 Next President

Drainage Gregory

Latitude N39° 47 ' 56.8 "

Average of 10 Readings

Longitude W105° 30 ' 12.2 "

Mineralogy (1= present, 2= abundant)

Pyrite 1

Sphalerite 1

Chalcopyrite 2

Galena

Other, (specify)

Country Rock 1

Secondary Sulfides 1

Approximate Distance from Drainage Channel 100' (gulch)

Erosion (0= none, 1= sheet wash, 2= rills less than 6" deep, 3= rills over 6-12" deep, 4= gullies over 12" deep) 3

Average top width 25'

Average top length 200'

Average bottom width 100'

Average bottom length 300'

Average height 50'

Estimated Volume

Vegetation Kill Zone Present (Y or N) Y

Approximate Size (l x w) 1000' x 100'

Vegetation on Pile (Y or N) N

Texture (fine, coarse) mostly fine

Equipment Access (describe) Road cut to site

Reclamation Measures (check if feasible)

Run-on Diversion X

Removal

Cementation

Cap-in-place

Amend and Revegetate X

Comments

NORTH FORK OF CLEAR CREEK WASTE ROCK SAMPLING

Sampling Site #32 Hartford

Drainage Gregory

Latitude N39° 47 ' 57.0 "

Average of 10 Readings

Longitude W105° 30 ' 16.4 "

Mineralogy (1= present, 2= abundant)

Pyrite

Sphalerite 1

Chalcopyrite 1

Galena

Other, (specify)

Country Rock

Secondary Sulfides 2

Approximate Distance from Drainage Channel 90' (to gulch)

Erosion (0= none, 1= sheet wash, 2= rills less than 6" deep, 3= rills over 6-12" deep, 4= gullies over 12" deep) 3

Average top width 30'

Average top length 75'

Average bottom width 50'

Average bottom length 100'

Average height 25'

Estimated Volume

Vegetation Kill Zone Present (Y or N) Y

Approximate Size (l x w) 125' x 90' (to gulch)

Vegetation on Pile (Y or N) N

Texture (fine, coarse) fine

Equipment Access (describe) Road access

Reclamation Measures (check if feasible)

Run-on Diversion X

Removal

Cementation some cement

Cap-in-place

Amend and Revegetate X

Comments

NORTH FORK OF CLEAR CREEK WASTE ROCK SAMPLING

Sampling Site #33 Mainc Hamlet

Drainage Gregory

Latitude N39° 47 ' 54.9 "

Average of 9 Readings

Longitude W105° 30 ' 34.4 "

Mineralogy (1= present, 2= abundant)

Pyrite

Sphalerite 1

Chalcopyrite

Galena

Other, (specify)

Country Rock

Secondary Sulfides 1

Approximate Distance from Drainage Channel 0

Erosion (0= none, 1= sheet wash, 2= rills less than 6" deep, 3= rills over 6-12" deep, 4= gullies over 12" deep) 3

Average top width 15'

Average top length 20'

Average bottom width 50'

Average bottom length 100'

Average height 30'

Estimated Volume

Vegetation Kill Zone Present (Y or N) Y

Approximate Size (l x w) 75' x 100' (to Harveys)

Vegetation on Pile (Y or N) N

Texture (fine, coarse) fine

Equipment Access (describe) Steep ridges from Epizodic, old trail on right flank looking downgrade

---

Reclamation Measures (check if feasible)

Run-on Diversion X

Removal

Cementation little

Cap-in-place

Amend and Revegetate X

Comments

NORTH FORK OF CLEAR CREEK WASTE ROCK SAMPLING

Sampling Site #34 Vasa - Levant Drainage Gregory

Latitude N39° 47 ' 59.7 " Average of 10 Readings

Longitude W105° 30 ' 23.6 "

Mineralogy (1= present, 2= abundant) Pyrite

Sphalerite 1 Chalcopyrite 1

Galena Other, (specify)

Country Rock 1 (on flanks) Secondary Sulfides 2

Approximate Distance from Drainage Channel 50'

Erosion (0= none, 1= sheet wash, 2= rills less than 6" deep, 3= rills over 6-12" deep, 4= gullies over 12" deep) 3

Average top width 50' Average top length 1000'

Average bottom width 100' Average bottom length 1200'

Average height 50' Estimated Volume

Vegetation Kill Zone Present (Y or N) N Approximate Size (l x w) (1200' x ?) highway cuts off toe

Vegetation on Pile (Y or N) N Texture (fine, coarse) mostly fine w/ coarse

Equipment Access (describe) Toe - easy from highway. Top - difficult.

Reclamation Measures (check if feasible) Run-on Diversion X

Removal Cementation

Cap-in-place Amend and Revegetate X

Comments

NORTH FORK OF CLEAR CREEK WASTE ROCK SAMPLING

Sampling Site #36 OK (Epizodic) Drainage Gregory

Latitude N39° 47 ' 54.1 " Average of 9 Readings

Longitude W105° 30 ' 36.3 "

Mineralogy (1= present, 2= abundant) Pyrite

Sphalerite 1 Chalcopyrite 1 (minor)

Galena Other, (specify)

Country Rock 1 Secondary Sulfides 2

Approximate Distance from Drainage Channel 75'

Erosion (0= none, 1= sheet wash, 2= rills less than 6" deep, 3= rills over 6-12" deep, 4= gullies over 12" deep) 3

Average top width 50' Average top length 50'

Average bottom width 75' Average bottom length 100'

Average height 30' Estimated Volume

Vegetation Kill Zone Present (Y or N) Y Approximate Size (l x w) 125' x 50'

Vegetation on Pile (Y or N) N Texture (fine, coarse) fine (some boulders)

Equipment Access (describe) Very steep - old access road on right flank looking down slope

---

Reclamation Measures (check if feasible) Run-on Diversion X

Removal Cementation little

Cap-in-place Amend and Revegetate X

Comments Some malachite - green, Some red - cinnabar?

NORTH FORK OF CLEAR CREEK WASTE ROCK SAMPLING

Sampling Site #37 German Drainage Gregory

Latitude N39° 47 ' 52.8 " Average of 12 Readings

Longitude W105° 30 ' 32.7 "

Mineralogy (1= present, 2= abundant) Pyrite 1

Sphalerite 1 Chalcopyrite

Galena 1 Other, (specify)

Country Rock Secondary Sulfides 2

Approximate Distance from Drainage Channel 75'

Erosion (0= none, 1= sheet wash, 2= rills less than 6" deep, 3= rills over 6-12" deep, 4= gullies over 12" deep) 3

Average top width 25' Average top length 75'

Average bottom width 100' Average bottom length 200'

Average height 100' Estimated Volume

Vegetation Kill Zone Present (Y or N) Y Approximate Size (l x w) 250' x 75'

Vegetation on Pile (Y or N) N Texture (fine, coarse) fine to medium fine

Equipment Access (describe) To top by old road (trees are in road)

Reclamation Measures (check if feasible) Run-on Diversion X

Removal Cementation little

Cap-in-place Amend and Revegetate X

Comments Pyrite

NORTH FORK OF CLEAR CREEK WASTE ROCK SAMPLING

Sampling Site SD-1 Drainage Chase

Latitude N39° 48 ' 43.6 " Average of 3 Readings

Longitude W105° 30 ' 58.7 "

Mineralogy (1= present, 2= abundant) Pyrite _____

Sphalerite _____ Chalcopyrite _____

Galena _____ Other, (specify) _____

Country Rock _____ Secondary Sulfides _____

Approximate Distance from Drainage Channel _____

Erosion (0= none, 1= sheet wash, 2= rills less than 6" deep, 3= rills over 6-12" deep, 4= gullies over 12" deep) _____

Average top width _____ Average top length _____

Average bottom width _____ Average bottom length _____

Average height _____ Estimated Volume _____

Vegetation Kill Zone Present (Y or N) _____ Approximate Size (l x w) _____

Vegetation on Pile (Y or N) _____ Texture (fine, coarse) _____

Equipment Access (describe) _____

Reclamation Measures (check if feasible) Run-on Diversion _____

Removal _____ Cementation _____

Cap-in-place _____ Amend and Revegetate _____

Comments Upstream of Tucker

NORTH FORK OF CLEAR CREEK WASTE ROCK SAMPLING

Sampling Site SD-02 Drainage Chase

Latitude N39° 48 ' 36.7 " Average of 3 Readings

Longitude W105° 30 ' 54.1 "

Mineralogy (1= present, 2= abundant) Pyrite _____

Sphalerite _____ Chalcopyrite _____

Galena _____ Other, (specify) _____

Country Rock _____ Secondary Sulfides _____

Approximate Distance from Drainage Channel 0'

Erosion (0= none, 1= sheet wash, 2= rills less than 6" deep, 3= rills over 6-12" deep, 4= gullies over 12" deep) _____

Average top width _____ Average top length _____

Average bottom width _____ Average bottom length _____

Average height _____ Estimated Volume _____

Vegetation Kill Zone Present (Y or N) _____ Approximate Size (l x w) _____

Vegetation on Pile (Y or N) _____ Texture (fine, coarse) _____

Equipment Access (describe) _____

Reclamation Measures (check if feasible) Run-on Diversion _____

Removal _____ Cementation _____

Cap-in-place _____ Amend and Revegetate _____

Comments From the stream bed, down stream of Hayseed

NORTH FORK OF CLEAR CREEK WASTE ROCK SAMPLING

Sampling Site SD-3 Drainage Chase

Latitude N39° 48 ' 25.0 " Average of 5 Readings

Longitude W105° 30 ' 27.0 "

Mineralogy (1= present, 2= abundant) Pyrite

Sphalerite Chalcopyrite

Galena Other, (specify)

Country Rock Secondary Sulfides

Approximate Distance from Drainage Channel

Erosion (0= none, 1= sheet wash, 2= rills less than 6" deep, 3= rills over 6-12" deep, 4= gullies over 12" deep)

Average top width Average top length

Average bottom width Average bottom length

Average height Estimated Volume

Vegetation Kill Zone Present (Y or N) Approximate Size (l x w)

Vegetation on Pile (Y or N) Texture (fine, coarse)

Equipment Access (describe)

Reclamation Measures (check if feasible) Run-on Diversion

Removal Cementation

Cap-in-place Amend and Revegetate

Comments

NORTH FORK OF CLEAR CREEK WASTE ROCK SAMPLING

Sampling Site SD-4 Drainage Chase

Latitude N39° 48 ' 18.8 " Average of 10 Readings

Longitude W105° 30 ' 15.0 "

Mineralogy (1= present, 2= abundant) Pyrite

Sphalerite Chalcopyrite

Galena Other, (specify)

Country Rock Secondary Sulfides

Approximate Distance from Drainage Channel

Erosion (0= none, 1= sheet wash, 2= rills less than 6" deep, 3= rills over 6-12" deep, 4= gullies over 12" deep)

Average top width Average top length

Average bottom width Average bottom length

Average height Estimated Volume

Vegetation Kill Zone Present (Y or N) Approximate Size (l x w)

Vegetation on Pile (Y or N) Texture (fine, coarse)

Equipment Access (describe)

Reclamation Measures (check if feasible) Run-on Diversion

Removal Cementation

Cap-in-place Amend and Revegetate

Comments Next to creek: where a drainage from the Bonanza drains into creek.

QC/QA